

Weekly Coal Production

Production for Week Ended:
February 17, 1990

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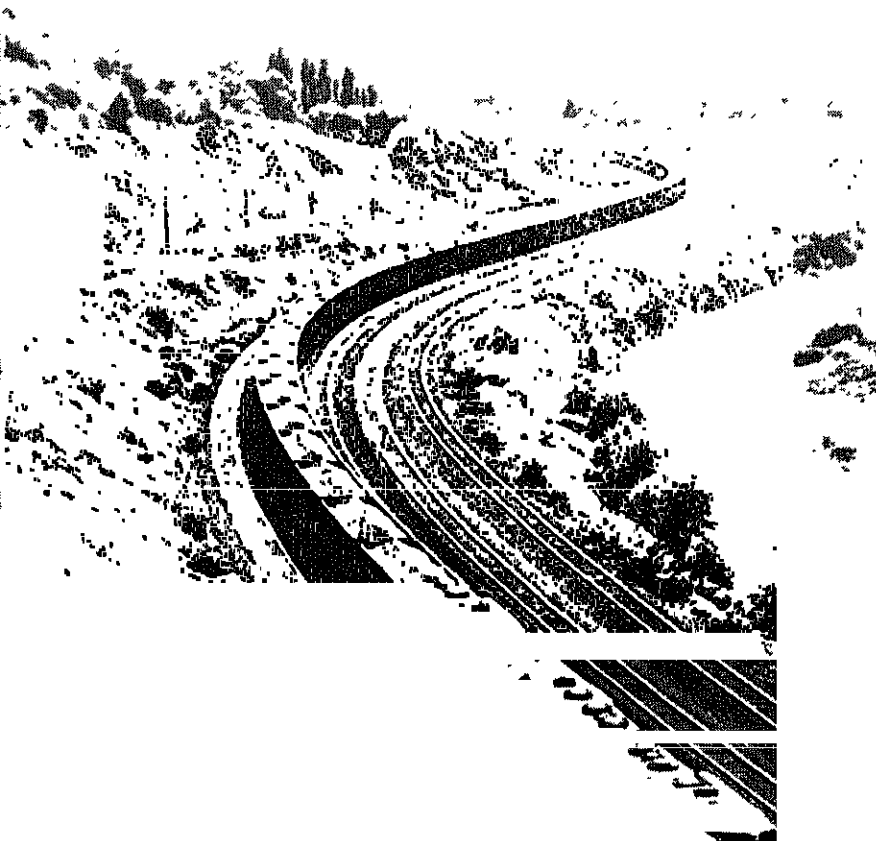
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Preface

The *Weekly Coal Production (WCP)* provides weekly production estimates of U.S. coal by State, as well as supplementary data which are usually published twice a month. This week's Coal Exports and Imports Supplement contains annual as well as detailed monthly data on U.S. coal and coke exports and imports. Another supplement contains detailed monthly data covering electric utility coal consumption, stocks, and receipts (quantity and price).

Preliminary actual data are published quarterly based on the EIA-6 coal distribution data. The estimation error for a quarter at the national level ranges from one percent to four percent. The State level errors can vary slightly from the national level.

Final data are published annually based on the EIA-7A Coal Production Survey. The revision error for a quarter at the national level ranges from .02 percent to .08

percent. The State level errors can vary slightly from the national level.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution Report*, the *Quarterly Coal Report*, *Coal Production 1988*, and *Coal Data: A Reference*.

This publication was prepared by Wayne M. Watson under the direction of Mary K. Paull and Noel C. Balthasar, Chief, Data Systems Branch. *Questions on energy statistics should be directed to the National Energy Information Center (NEIC) at (202)586-8800.*

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Summary

U.S. coal production in the week ended February 17, 1990, as estimated by the Energy Information Administration, totaled 20 million short tons. This was 3 percent less than in the previous week but 5 percent higher than in the comparable week of 1989. Production East of the Mississippi totaled 13 million short tons, and production West of the Mississippi River totaled 8 million short tons.

On February 20, 1990, the United Mine Workers of America announced that striking miners had ratified a new 4-year contract with the Pittston Coal Group. The new contract guarantees workers nearly 100 percent free health care coverage, gives miners expanded rights to future jobs in the company's non-union mining subsidiaries, and requires Pittston to continue to pay, at a reduced rate, into two existing, industrywide health and pension benefit funds. Under the new contract, Pittston received flexibility in scheduling production operations, which the company said it needed to meet the demands of international coal buyers and to boost its productivity.

1989 Coal Exports and Imports

U.S. coal exports in December 1989 totaled 8 million short tons, slightly less than in December 1988. This raised the level of U.S. coal exports in 1989 to 101 million short tons from 95 million short tons in 1988. The 1989 coal exports ranked as the Nation's third highest year, following an all-time high of 113 million short tons in 1981 and 106 million short tons in 1982.

Most of the increase in U.S. coal exports in 1989 reflects a 14-percent growth in shipments to European customers. Factors contributing to this rise include: a decline in coal exports from Australia and Poland due to the implementation of new work agreements, which affected productivity in both countries; a shortfall in coal exports from China and the U.S.S.R.; and a rise in the demand for metallurgical coal to meet an increase in world steel production.

The United States continued to be of worldwide importance as a source of coal in 1989, ranking second to Australia in the amount exported. U.S. coal was shipped to more than 30 countries during the year. Principal among these were Canada, Japan, and Italy.

Together, these three countries, each longstanding markets for U.S. coal, accounted for 42 percent of the coal exported from the United States in 1989.

Metallurgical coal exports, the mainstay of U.S. coal exports, rose to 65 million short tons in 1989 from 62 million short tons in 1988. The largest shipments were to Japan, Canada, Italy, Belgium and Luxembourg, and Brazil. Combined, the tonnage shipped to these five countries represented 56 percent of the 1989 U.S. metallurgical coal exports.

Steam coal exports also rose in 1989, increasing to 36 million short tons from 33 million short tons in 1988. Canada, by far the major destination, received 10 million short tons. However, this was 17 percent less than in 1988. The drop occurred largely because in 1989 the Canadian electric power industry relied more on nuclear power plants than in the past. European markets imported 17 million short tons of U.S. steam coal, 25 percent more than in 1988. Almost two thirds of this went to Italy, Denmark, and the Netherlands. Shipments to France rose sharply to nearly 2 million short tons in 1989 from 24,000 short tons in the previous year. This reflects an increase in electricity generation from the country's coal-fired plants in 1989, in order to compensate for a loss in output at hydroelectric plants due to a drought, and a shutdown of nuclear power plants for safety inspections.

Norfolk, Virginia, continued as the Nation's leading coal-exporting district in 1989, shipping almost half of the total. Ranking second was Cleveland, Ohio, 16 million short tons. Other important coal-export districts were New Orleans, Louisiana, Mobile, Alabama, and Baltimore Maryland.

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U.S. coal imports in December 1989 totaled 1.5 million short tons. This was a decrease from 1.8 million short tons in November 1989.

nearly 3 million short tons, compared with slightly over 2 million short tons in 1988. In 1989, coal was imported chiefly from Colombia (47 percent) and Canada (35 percent). In general, coal was imported from Canada to meet the needs of consumers not readily

supplied by domestic sources, whereas coal from other countries was imported largely by power plants in the Southeast. The 1989 U.S. coal imports were valued at approximately \$97 million, based on an average price of \$34.14 per short ton.

Figure 1. Coal Production

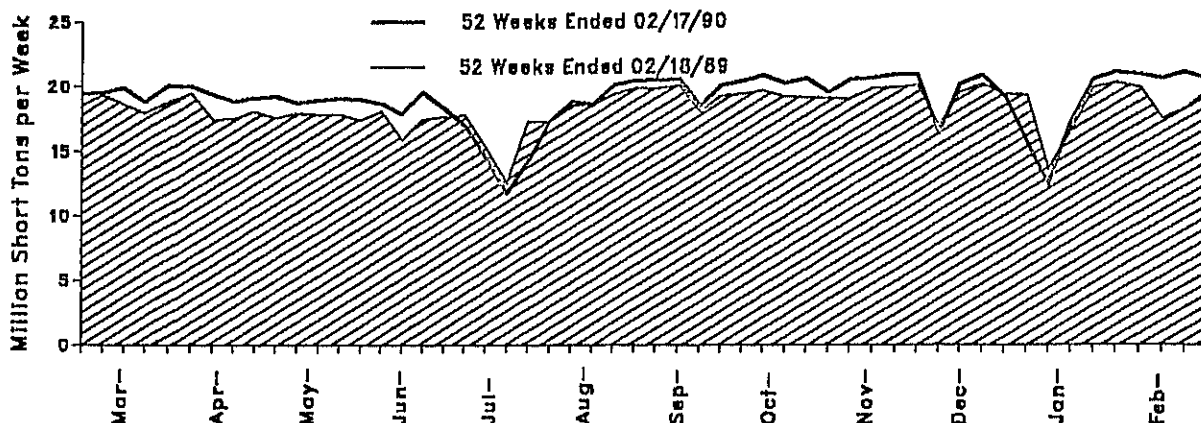


Table 1. Coal Production

Production and Carloadings	Week Ended			52 Weeks Ended		
	02/17/90	02/10/90	02/18/89	02/17/90	02/18/89	Percent Change
Production (Thousand Short Tons)						
Bituminous ¹ and Lignite	20,315	20,844	19,410	981,104	947,493	3.5
Pennsylvania Anthracite	67	70	66	3,532	3,612	-2.2
U.S. Total	20,382	20,913	19,475	984,635	951,105	3.5
Railroad Cars Loaded	130,429	133,601	124,362	6,426,078	6,277,167	

¹ Includes subbituminous coal

Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A, Energy Information Administration, Form EIA-6, "Coal Distribution Report", Form EIA-7A, "Coal Production Report", and State mining agency coal production reports.

Table 2. Coal Production by State
(Thousand Short Tons)

Region and State	Week Ended		
	02/17/90	02/10/90	02/18/89
Bituminous Coal¹ and Lignite			
East of the Mississippi	12,748	12,708	12,194
Alabama	623	592	554
Illinois	1,204	1,227	1,229
Indiana	905	997	811
Kentucky	3,475	3,474	3,236
Kentucky, Eastern	2,663	2,645	2,437
Kentucky, Western	812	829	799
Maryland	81	62	72
Ohio	702	695	693
Pennsylvania Bituminous	1,337	1,354	1,337
Tennessee	148	134	114
Virginia	1,164	1,085	963
West Virginia	3,129	3,108	3,386
West of the Mississippi	7,567	8,136	7,216
Alaska	34	34	30
Arizona	254	261	225
Arkansas	2	2	2
Colorado	417	440	324
Iowa	8	8	10
Kansas	22	23	7
Louisiana	30	52	50
Missouri	68	69	73
Montana	723	801	689
New Mexico	554	524	437
North Dakota	570	632	613
Oklahoma	34	41	29
Texas	1,075	1,101	992
Utah	488	511	405
Washington	94	96	99
Wyoming	3,196	3,539	3,230
Bituminous ¹ and Lignite Total	20,315	20,844	19,410
Pennsylvania Anthracite	67	70	66
U.S. Total	20,382	20,913	19,475

¹ Includes subbituminous coal

Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A, Energy Information Administration, Form EIA-6, "Coal Distribution Report", Form EIA-7A, "Coal Production Report", and, State mining agency coal production reports.

Table 3. Coal Exports and Imports, 1980-1989
(Thousand Short Tons and Dollars per Short Ton)

Year and Month	Exports						Imports	
	Metallurgical		Steam ¹		Total		Quantity	Average Price
	Quantity	Average Price ²	Quantity	Average Price ²	Quantity	Average Price ²		
1980 ..	63,103	\$54.54	28,639	\$41.39	91,742	\$50.44	1,194	\$25.53
1981 ..	65,234	57.40	47,307	45.92	112,541	52.57	1,043	28.47
1982 ..	64,585	61.07	41,692	49.11	106,277	56.37	742	30.40
1983 ..	49,964	55.49	27,807	46.18	77,772	52.16	1,271	33.59
1984 ..	56,975	52.41	24,508	46.77	81,483	50.72	1,286	35.37
1985 ..	60,313	50.46	32,367	43.92	92,680	48.18	1,952	36.04
1986 ..	54,977	47.81	30,541	42.60	85,518	45.95	2,212	36.02
1987								
January ..	4,118	46.54	1,353	41.42	5,471	45.27	134	42.40
February ..	3,189	46.13	1,454	41.61	4,643	44.71	85	30.57
March ..	4,875	45.53	1,587	41.03	6,462	44.43	111	29.59
April ..	4,434	45.82	1,795	40.41	6,229	44.26	229	30.78
May ..	4,644	45.29	1,912	41.28	6,557	44.12	135	31.12
June ..	4,323	43.82	3,005	38.12	7,328	41.48	118	34.14
July ..	3,815	43.36	2,796	39.50	6,611	41.73	120	31.80
August ..	4,848	44.26	2,909	39.49	7,758	42.47	191	31.41
September ..	3,951	43.66	2,714	38.97	6,665	41.75	164	32.64
October ..	4,290	43.36	2,343	39.61	6,633	42.03	98	30.27
November ..	4,290	43.51	2,920	38.29	7,210	41.39	263	31.03
December ..	4,902	42.92	3,140	39.02	8,042	41.40	109	28.80
Total ..	51,679	44.49	27,928	39.80	79,607	42.77	1,747	32.04
1988								
January ..	3,449	43.00	984	37.58	4,434	41.80	159	28.57
February ..	3,458	42.81	1,024	41.16	4,482	42.43	162	27.41
March ..	5,119	42.95	2,026	39.44	7,145	41.96	221	30.34
April ..	5,901	43.67	3,042	40.04	8,943	42.44	107	27.24
May ..	4,953	44.98	2,952	39.35	7,905	42.88	224	43.49
June ..	4,980	44.82	3,073	38.92	8,053	42.57	257	27.96
July ..	5,445	44.73	2,858	37.22	8,303	42.15	203	25.34
August ..	5,389	44.94	3,933	37.42	9,322	41.77	205	27.13
September ..	6,518	44.34	3,547	36.74	10,066	41.66	29	34.35
October ..	5,621	44.06	3,389	38.08	9,010	42.19	229	25.55
November ..	5,563	44.70	2,775	38.47	8,338	42.63	207	31.80
December ..	5,555	44.17	3,469	39.39	9,023	42.33	131	32.63
Total ..	61,950	44.17	33,073	38.59	95,023	42.23	2,134	29.96
1989								
January ..	4,488	43.92	1,818	36.29	6,306	41.72	66	36.14
February ..	5,298	44.32	1,450	37.14	6,748	42.78	131	31.89
March ..	6,163	44.17	2,212	36.98	8,375	42.27	334	33.86
April ..	6,061	44.08	3,042	38.46	9,104	42.20	158	31.46
May ..	6,303	45.40	3,381	37.40	9,685	42.61	312	32.19
June ..	5,598	45.82	4,059	38.14	9,657	42.59	218	39.04
July ..	3,881	45.77	2,328	37.95	6,209	42.84	375	36.65
August ..	4,925	46.09	3,197	37.30	8,122	42.63	247	33.85
September ..	5,754	45.94	3,907	37.31	9,661	42.45	303	33.64
October ..	5,922	45.50	3,371	37.97	9,293	42.77	160	33.20
November ..	6,026	45.81	3,743	38.05	9,768	42.84	245	31.54
December ..	4,710	45.65	3,179	37.66	7,888	42.43	303	35.09
1989 Year to Date ..	65,128	45.19	35,687	37.64	100,815	42.52	2,851	34.14
1988 Year to Date ..	61,950	44.17	33,073	38.59	95,023	42.23	2,134	29.96

¹ Includes bituminous, subbituminous, lignite, and anthracite.

² Average price of all coal exports in this category.

Note. Total may not equal sum of components because of independent rounding. U.S. Coal imports include Puerto Rico.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 4. Coal Exports, December 1989
(Short Tons)

Continent and Country of Destination	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	1,447,502	1,601,137	2,455,959	16,942,503	19,672,320	-13.9
Canada ..	1,446,184	1,583,424	2,442,984	16,776,798	19,231,950	-12.8
Dominican Republic	-	-	-	38,693	76,934	-49.7
Mexico .. .	596	328	12,975	63,288	304,189	-79.2
Other ¹ .. .	722	17,385	-	63,724	59,247	7.6
South America Total	509,683	864,928	640,346	7,384,446	5,958,557	23.9
Argentina .. .	-	130,493	61,887	741,589	609,842	21.6
Brazil .. .	432,644	651,926	576,989	5,680,525	5,252,100	8.2
Chile .. .	75,673	76,507	-	942,929	56,212	(²)
Other ¹ .. .	1,366	6,002	1,470	19,403	40,403	-52.0
Europe Total ..	4,440,766	4,939,243	4,229,197	51,604,263	45,137,209	14.3
Albania .. .	-	24,813	27,888	119,820	182,808	-34.5
Belgium & Luxembourg	641,562	689,002	491,673	7,094,471	6,490,382	9.3
Denmark .. .	306,519	185,556	131,445	3,177,873	2,804,211	13.3
Finland .. .	-	-	-	103,678	88,131	52.2
France .. .	593,997	671,826	255,780	6,516,708	4,301,915	51.5
Ireland .. .	92,025	223,998	94,592	1,247,574	1,469,337	-15.1
Italy .. .	1,014,732	867,401	1,209,373	11,239,582	11,069,756	1.5
Netherlands .. .	574,400	574,633	631,964	6,075,999	5,085,560	19.5
Norway .. .	9,117	18,305	22,820	141,318	269,435	-47.6
Portugal .. .	130,947	125,887	-	1,424,008	883,396	61.2
Romania .. .	326,910	195,525	405,293	1,561,713	1,512,335	3.3
Spain .. .	250,110	399,783	331,289	3,339,492	2,541,850	31.4
Sweden .. .	-	83,111	-	733,740	717,588	2.3
Turkey .. .	155,064	284,711	180,531	1,686,394	2,023,463	-16.7
United Kingdom ..	173,585	500,300	239,749	4,512,953	3,670,636	22.9
West Germany .. .	45,358	34,052	-	744,545	701,539	6.1
Yugoslavia .. .	29,991	75,039	198,696	1,509,934	1,295,147	16.6
Other ¹ .. .	96,449	5,301	8,104	374,461	49,720	(²)
Asia Total .. .	1,490,291	2,181,346	1,658,412	22,734,143	23,074,864	-1.5
China (Taiwan) .. .	361,079	660,886	441,909	4,497,009	4,674,364	-3.8
Israel .. .	-	-	-	487,298	243,427	100.2
Japan .. .	827,640	1,192,549	794,558	13,845,942	14,122,057	-2.0
Korea, Republic of	301,572	328,111	420,705	3,836,097	3,939,200	-2.6
Pakistan .. .	-	-	-	60,451	88,305	-31.5
Other ¹ .. .	-	-	1,240	7,346	7,511	-2.2
Oceania & Australia Total .. .	-	-	176	483	2,040	-76.3
Africa Total .. .	-	181,785	39,188	2,148,828	1,178,024	82.4
Algeria .. .	-	-	-	739,818	707,898	4.5
Egypt .. .	-	102,150	-	585,161	430,869	35.8
Other ¹ .. .	-	79,635	39,188	823,849	39,257	(²)
Total .. .	7,888,242	9,768,439	9,023,278	100,814,666	95,023,014	6.1

¹ Includes countries with exports less than or equal to 50,000 short tons in 1988

² Changes of 500 percent or more are not shown

Note Total may not equal sum of components because of independent rounding

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 5. Average Price of Coal Exports, December 1989
(Dollars per Short Ton)

Continent and Country of Destination	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	\$41.94	\$42.25	\$40.33	\$42.23	\$41.57	1.6
Canada	41.94	42.38	40.34	42.29	41.61	1.6
Dominican Republic	-	-	-	36.38	37.75	-3.6
Mexico	37.66	34.98	39.13	41.37	41.03	.8
Other ¹	39.92	31.02	-	31.15	30.23	3.0
South America Total	43.48	44.00	44.14	43.78	44.35	-1.3
Argentina	-	44.30	42.56	44.54	43.71	1.9
Brazil	45.74	45.79	44.31	45.59	44.43	2.6
Chile	30.41	29.95	-	30.24	34.98	-13.6
Other ¹	-	-	39.87	39.61	35.54	11.4
Europe Total	41.52	40.42	42.92	41.48	42.26	-1.8
Albania	-	44.91	39.38	43.93	39.32	11.7
Belgium & Luxembourg	37.78	42.05	43.62	43.04	42.48	1.3
Denmark	35.88	32.68	29.70	33.28	32.55	2.2
Finland	-	-	-	42.45	41.73	1.7
France	39.65	39.13	41.65	41.17	43.83	-8.1
Ireland	33.61	37.60	39.42	37.42	40.13	-6.8
Italy	44.60	39.57	44.22	42.86	42.71	.3
Netherlands	41.57	43.06	40.92	40.68	40.52	.3
Norway	-	-	-	39.88	41.64	-4.2
Portugal	35.87	41.30	-	39.88	38.98	2.3
Romania	43.84	-	46.96	43.00	42.15	2.0
Spain	-	32.67	45.88	43.61	44.64	-2.3
Sweden	-	-	-	43.55	44.46	-2.1
Turkey	43.08	43.75	42.18	43.35	42.83	1.2
United Kingdom	35.01	36.28	45.55	43.88	44.53	-1.5
West Germany	45.10	39.98	-	39.63	44.00	-9.9
Yugoslavia	43.45	44.41	42.20	44.06	42.48	3.7
Other ¹	-	-	-	37.06	39.85	-7.2
Asia Total	42.00	41.90	41.46	42.02	41.78	.6
China (Taiwan)	41.01	39.53	41.08	37.79	40.49	-6.7
Israel	-	-	-	39.17	36.91	6.1
Japan	42.90	43.17	40.92	42.91	42.19	1.7
Korea, Republic of	39.88	44.82	42.88	44.46	42.15	5.5
Other ¹	-	-	38.55	37.27	36.38	2.4
Oceania & Australia Total	-	-	40.09	34.98	38.30	-8.7
Africa Total	-	38.61	33.34	38.90	43.49	-10.6
Algeria	-	-	-	44.82	43.69	2.6
Egypt	-	45.37	-	45.59	44.13	3.3
Other ¹	-	29.84	33.34	30.88	33.35	-7.1
Total	41.88	41.43	41.97	41.88	42.14	-.6
U.S. Total	42.43	42.84	42.33	42.52	42.23	.7

¹ Includes countries with exports less than or equal to 50,000 short tons in 1988.

² Average price of all coal exports in this category.

Note. Total may not equal sum of components because of independent rounding. U.S. Coal imports include Puerto Rico. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$47 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 6. Steam Coal Exports, December 1989
(Short Tons)

Continent and Country of Destination	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	908,920	1,005,501	1,795,818	10,104,097	12,116,393	-16.8
Canada	908,602	987,788	1,785,800	9,957,268	11,953,813	-16.7
Dominican Republic	-	-	-	19,842	-	-
Mexico	596	328	10,018	63,288	103,358	-38.8
Other ¹	722	17,385	-	63,699	59,222	7.6
South America Total	77,039	82,509	1,730	939,672	187,660	400.7
Argentina	-	-	260	337	296	13.9
Brazil	-	-	-	5,727	146,678	-96.1
Chile	75,673	76,507	-	914,205	283	(²)
Other ¹	1,366	6,002	1,470	19,403	40,403	-52.0
Europe Total	1,505,714	1,820,568	991,345	16,733,931	13,365,891	25.2
Belgium & Luxembourg	27,408	225,564	-	994,992	896,505	11.0
Denmark	306,519	185,556	131,445	3,049,537	2,668,297	14.3
Finland	-	-	-	1,555	-	-
France	230,129	90,833	-	1,675,643	23,688	(²)
Ireland	92,025	223,998	94,592	1,078,350	1,442,657	-25.3
Italy	271,807	685,133	395,585	4,577,725	4,675,220	-2.1
Netherlands	398,113	181,946	312,234	2,938,393	2,358,302	24.6
Norway	-	9,727	13,299	48,530	146,445	-66.9
Portugal	130,947	125,887	-	1,071,209	683,733	56.7
Romania	-	-	-	3,293	-	-
Spain	-	65,678	499	200,602	41,062	388.3
Sweden	-	-	-	204,028	131,087	55.6
Turkey	-	-	5,484	203	5,741	-96.5
United Kingdom	140	20,525	18,128	321,470	127,862	151.4
West Germany	-	420	-	227,424	55,620	308.9
Yugoslavia	-	-	11,975	32,670	59,932	-45.5
Other ¹	48,626	5,301	8,104	308,307	49,720	(²)
Asia Total	685,946	754,299	640,277	7,112,890	7,361,918	-3.4
China (Taiwan)	254,642	487,705	441,909	3,896,641	3,988,467	-7.3
Israel	-	-	-	338,481	243,427	39.0
Japan	287,125	266,594	85,702	2,396,777	2,006,519	19.4
Korea, Republic of	144,179	-	111,426	673,645	1,118,050	-39.6
Other ¹	-	-	1,240	7,346	7,455	-1.5
Oceania & Australia Total	-	-	176	483	2,040	-76.3
Africa Total	-	79,635	39,188	795,459	39,257	(²)
Other ¹	-	79,635	39,188	795,459	39,257	(²)
Total	3,178,619	3,742,512	3,468,534	35,686,532	33,073,159	7.9

¹ Includes countries with exports less than or equal to 50,000 short tons in 1988

² Changes of 500 percent or more are not shown

Note. Total may not equal sum of components because of independent rounding. Steam coal includes bituminous, subbituminous, lignite, and anthracite

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 7. Average Price of Steam Coal Exports, December 1989
(Dollars per Short Ton)

Continent and Country of Destination	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	\$39.94	\$39.16	\$39.30	\$39.49	\$38.85	1.7
Canada	39.94	39.33	39.30	39.55	38.88	1.7
Dominican Republic	-	-	-	36.38	-	-
Mexico	37.66	34.98	39.13	41.37	38.73	6.8
Other ¹	39.92	31.02	-	31.15	30.23	3.0
South America Total	30.41	29.85	39.97	30.27	43.09	-29.7
Argentina	-	-	40.00	34.99	40.00	-12.5
Brazil	-	-	-	-	43.35	-
Chile	30.41	29.95	-	30.24	34.98	-13.6
Other ¹	-	-	39.87	39.61	35.54	11.4
Europe Total	37.06	37.14	38.03	36.70	38.05	-3.5
Belgium & Luxembourg	31.32	34.78	-	33.58	33.79	-6
Denmark	35.89	32.68	29.70	33.20	32.55	2.0
Finland	-	-	-	45.02	-	-
France	34.09	35.55	-	34.76	34.88	-3
Ireland	33.61	37.60	39.42	37.61	40.14	-6.3
Italy	39.85	39.57	40.45	39.82	40.07	-6
Netherlands	39.20	34.62	38.17	36.52	38.31	-4.7
Norway	-	-	-	39.88	41.55	-4.0
Portugal	35.87	41.30	-	39.22	38.07	3.0
Romania	-	-	-	38.78	-	-
Spain	-	32.67	39.91	32.60	39.95	-18.4
Sweden	-	-	-	37.06	36.71	9
Turkey	-	-	39.75	39.90	38.27	4.3
United Kingdom	35.01	36.28	-	34.87	35.62	-2.1
West Germany	-	39.98	-	35.68	35.03	1.9
Yugoslavia	-	-	-	35.00	39.59	-11.6
Other ¹	-	-	-	37.06	39.95	-7.2
Asia Total	38.85	37.10	39.32	37.07	38.20	-3.0
China (Taiwan)	38.58	37.43	41.08	36.12	39.97	-9.4
Israel	-	-	-	38.84	36.91	5.2
Japan	39.36	36.46	34.58	38.15	36.16	5.5
Korea, Republic of	38.34	-	35.97	37.81	36.31	4.1
Other ¹	-	-	36.55	37.27	36.38	2.4
Oceania & Australia Total	-	-	40.09	34.98	38.30	-8.7
Africa Total	-	29.94	33.34	30.90	33.35	-7.4
Other ¹	-	29.94	33.34	30.90	33.35	-7.4
Total	38.09	37.33	38.88	37.26	38.39	-2.9
U.S. Total²	37.66	38.05	39.39	37.64	38.59	-2.5

¹ Includes countries with exports less than or equal to 50,000 short tons in 1988

² Average price of all steam coal exports

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$47 inclusively. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 8. Metallurgical Coal Exports, December 1989
(Short Tons)

Continent and Country of Destination	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	537,582	595,636	660,141	6,838,406	7,555,927	-9.5
Canada	537,582	595,636	657,184	6,819,530	7,278,137	-6.3
Dominican Republic	-	-	-	18,851	76,934	-75.5
Mexico	-	-	2,957	-	200,831	-
Other ¹	-	-	-	25	25	0
South America Total	432,644	782,419	638,616	6,444,774	5,770,897	11.7
Argentina	-	130,493	61,627	741,252	609,546	21.6
Brazil	432,644	651,926	576,989	5,674,798	5,105,422	11.2
Chile	-	-	-	28,724	55,929	-48.6
Europe Total	2,935,052	3,118,675	3,237,852	34,870,332	31,771,310	9.8
Albania	-	24,813	27,888	119,820	182,808	-34.5
Belgium & Luxembourg	614,154	443,438	491,673	6,099,479	5,593,877	9.0
Denmark	-	-	-	128,336	135,914	-5.6
Finland	-	-	-	102,123	68,131	49.9
France	363,868	580,993	255,780	4,841,065	4,278,227	13.2
Ireland	-	-	-	169,224	26,680	(²)
Italy	742,925	182,268	813,788	6,661,857	6,394,536	4.2
Netherlands	176,287	392,687	319,730	3,137,606	2,727,258	15.0
Norway	9,117	8,578	9,521	92,788	122,990	-24.6
Portugal	-	-	-	352,799	199,663	76.7
Romania	326,910	195,525	405,293	1,558,420	1,512,335	3.0
Spain	250,110	334,105	330,790	3,138,890	2,500,768	25.5
Sweden	-	83,111	-	529,712	586,501	-9.7
Turkey	155,064	284,711	175,047	1,686,191	2,017,722	-16.4
United Kingdom	173,445	479,775	221,621	4,191,483	3,542,774	18.3
West Germany	45,358	33,632	-	517,121	645,919	-19.9
Yugoslavia	29,991	75,039	186,721	1,477,264	1,235,215	19.6
Other ¹	47,823	-	-	66,154	-	-
Asia Total	804,345	1,427,047	1,018,135	15,621,253	15,712,946	-.6
China (Taiwan)	106,437	172,981	-	800,368	685,897	16.7
Israel	-	-	-	148,817	-	-
Japan	540,515	925,955	708,856	11,449,165	12,115,538	-5.5
Korea, Republic of	157,393	328,111	309,279	3,162,452	2,823,150	12.0
Pakistan	-	-	-	60,451	88,305	-31.5
Other ¹	-	-	-	-	56	-
Africa Total	-	102,150	-	1,353,369	1,138,767	18.8
Algeria	-	-	-	739,818	707,898	4.5
Egypt	-	102,150	-	585,161	430,869	35.8
Other ¹	-	-	-	28,390	-	-
Total	4,709,623	6,025,927	5,554,744	65,128,134	61,949,855	5.1

¹ Includes countries with exports less than or equal to 50,000 short tons in 1988.

² Changes of 500 percent or more are not shown

Note Total may not equal sum of components because of independent rounding

Source Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 9. Average Price of Metallurgical Coal Exports, December 1989
(Dollars per Short Ton)

Continent and Country of Destination	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total ...	\$44.99	\$46.82	\$42.99	\$46.03	\$45.67	0.8
Canada	44.99	46.92	42.99	46.05	45.86	4
Dominican Republic	-	-	-	36.38	37.75	-3.6
Mexico	-	-	-	-	41.83	-
South America Total ...	45.74	45.52	44.14	45.47	44.36	2.5
Argentina	-	44.30	42.57	44.54	43.71	1.9
Brazil	45.74	45.79	44.31	45.59	44.44	2.6
Europe Total ...	44.80	43.69	44.44	44.41	43.87	1.2
Albania	-	44.91	39.36	43.93	39.32	11.7
Belgium & Luxembourg	40.26	45.82	43.62	44.68	43.78	2.1
Denmark	-	-	-	34.97	-	-
Finland	-	-	-	42.41	41.73	1.6
France	43.17	39.69	41.65	43.41	43.88	-1.1
Ireland	-	-	-	36.20	39.88	-9.2
Italy	46.34	-	46.05	45.68	44.65	2.3
Netherlands	46.93	46.98	43.60	44.72	42.39	5.5
Norway	-	-	-	-	41.91	-
Portugal	-	-	-	42.28	42.09	.5
Romania	43.84	-	46.96	43.01	42.15	2.0
Spain	-	-	45.89	45.20	44.64	1.3
Sweden	-	-	-	46.63	46.20	.9
Turkey	43.09	43.75	42.18	43.35	42.83	1.2
United Kingdom	-	-	45.55	45.31	44.80	1.1
West Germany	45.10	-	-	43.50	44.01	-1.2
Yugoslavia	43.45	44.41	42.20	44.07	42.49	3.7
Asia Total ...	45.18	45.10	42.80	44.28	43.48	1.8
China (Taiwan)	46.84	45.44	-	45.50	44.02	3.4
Israel	-	-	-	39.92	-	-
Japan	44.77	45.04	41.68	43.83	43.20	1.5
Korea, Republic of	46.56	44.82	45.37	46.07	44.60	3.3
Africa Total ...	-	45.37	-	44.93	43.88	2.4
Algeria	-	-	-	44.82	43.69	2.6
Egypt	-	45.37	-	45.59	44.13	3.3
Other ¹	-	-	-	33.11	-	-
Total ...	45.01	44.84	43.90	44.70	44.04	1.5
U.S. Total² ...	45.65	45.81	44.17	45.19	44.17	2.3

¹ Includes countries with exports less than or equal to 50,000 short tons in 1988.

² Average price of all metallurgical coal exports

Note. Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f a s) value.

The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$47 inclusively

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 10. Coal Exports by Custom District, December 1989
(Short Tons)

Customs District	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
Eastern Total	4,291,458	5,894,659	4,730,490	60,408,334	54,829,336	10.2
Baltimore, MD	572,787	1,265,586	396,251	9,329,890	7,481,950	24.7
Portland, ME	-	-	-	159	-	-
Buffalo, NY	5,021	2,134	6,659	48,258	57,697	-16.4
New York City, NY	87	-	34,784	1,790	138,392	-98.7
Ogdensburg, NY	762	641	2,327	9,954	13,281	-25.1
Philadelphia, PA	108,134	296,643	195,204	2,496,670	2,345,508	6.4
Norfolk, VA	3,604,667	4,329,655	4,095,265	48,519,613	44,792,122	8.3
St. Albans, VT	-	-	-	-	388	-
Southern Total	1,824,259	2,023,075	1,557,517	20,719,684	18,920,389	9.5
Mobile, AL	809,505	876,141	618,325	8,827,466	8,278,015	6.6
Savannah, GA	-	-	-	725	84	(¹)
Miami, FL	193	9,009	-	11,159	35	(¹)
Tampa, FL	529	-	-	529	-	-
New Orleans, LA	887,151	1,010,417	630,836	10,850,745	9,251,644	17.3
Wilmington, NC	-	-	126,018	70,417	375,762	-81.3
Charleston, SC	126,384	83,700	151,700	834,728	838,696	-5
El Paso, TX	-	-	-	-	61	-
Houston-Galveston, TX	-	43,480	20,699	76,531	109,845	-30.2
Laredo, TX	497	328	9,939	47,384	66,447	-28.7
Western Total	338,675	338,710	331,647	3,154,739	2,188,778	44.1
Anchorage, AK	144,179	-	76,705	661,315	826,871	-20.0
Los Angeles, CA	187,846	329,514	219,194	2,301,403	1,053,602	118.4
San Diego, CA	99	-	79	4,443	1,427	211.4
San Francisco, CA	-	8,223	32,890	41,595	44,090	-5.7
Great Falls, MT	-	-	498	98	1,501	-93.5
Portland, OR	-	-	176	576	286	101.4
Seattle, WA	6,551	973	2,105	145,309	261,001	-44.3
Northern Total	1,433,850	1,511,995	2,403,624	16,533,909	19,084,511	-13.4
Chicago, IL	-	-	13,981	-	14,182	-
Detroit, MI	3,022	2,454	2,244	44,562	48,553	-8.2
Duluth, MN	90,943	31,070	57,599	283,246	196,071	44.5
Pembina, ND	93	181	-	15,009	4,838	210.4
Cleveland, OH	1,339,792	1,478,290	2,329,800	16,191,092	18,820,869	-14.0
Total	7,888,242	9,768,439	9,023,278	100,814,666	95,023,014	6.1

¹ Changes of 500 percent or more are not shown

Note: Total may not equal sum of components because of independent rounding

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 11. Coke Exports, December 1989
(Short Tons)

Continent and Country of Destination	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	123,035	47,287	57,636	801,769	449,983	78.2
Canada	106,184	36,247	47,981	644,145	347,824	85.2
Mexico	16,826	10,889	9,633	156,588	101,193	54.7
Other ¹	25	151	22	1,036	966	7.2
South America Total	-	23,409	23,515	99,422	146,785	-32.3
Brazil	-	-	-	22,312	52,083	-57.2
Venezuela	-	23,409	23,515	77,110	94,702	-18.6
Europe Total	11,423	-	49,643	88,251	204,007	-56.7
Turkey	-	-	13,581	4,438	34,153	-87.0
Other ¹	11,423	-	36,062	83,813	169,854	-50.7
Asia Total	-	-	51,801	95,968	292,431	-67.2
Japan	-	-	-	71,756	116,395	-38.4
Philippines	-	-	51,801	-	176,036	-
Other ¹	-	-	-	24,212	-	-
Total	134,458	70,696	182,595	1,085,410	1,093,206	-.7

¹ Includes countries with exports less than or equal to 50,000 short tons in 1988

Note Total may not equal sum of components because of independent rounding

Source Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 12. Coal Imports, December 1989
(Short Tons)

Continent and Country of Origin	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	82,051	98,296	35,187	1,061,668	596,535	78.0
Canada	79,136	93,308	30,325	1,004,371	552,238	81.9
Mexico	2,915	2,988	4,862	57,297	44,297	29.3
South America Total	186,302	148,556	63,923	1,695,495	1,427,979	18.7
Argentina	-	265	-	265	-	-
Colombia	159,422	74,104	63,923	1,338,562	1,225,167	9.3
Venezuela	26,880	74,187	-	356,668	202,812	75.9
Europe Total	-	10	-	11,539	1,135	(¹)
Denmark	-	-	-	-	177	-
France	-	10	-	10	-	-
Netherlands	-	-	-	11,198	320	(¹)
Spain	-	-	-	-	124	-
United Kingdom	-	-	-	-	314	-
West Germany	-	-	-	331	200	65.5
Asia Total	-	-	-	47,786	42,191	13.3
China (Peking)	-	-	-	47,694	-	-
Hong Kong	-	-	-	41	2	(¹)
Japan	-	-	-	-	42,189	-
Korea, Republic of	-	-	-	51	-	-
Oceania & Australia Total	34,645	-	31,913	34,645	66,190	-47.7
Australia	34,645	-	31,913	34,645	66,190	-47.7
Total	302,998	244,862	131,023	2,851,133	2,134,030	33.6

¹ Changes of 500 percent or more are not shown

Note Total may not equal sum of components because of independent rounding U.S. coal imports include Puerto Rico

Source Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"

Table 13. Average Price of Coal Imports, December 1989
(Dollars per Short Ton)

Continent and Country of Origin	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	\$23.67	\$23.48	\$27.15	\$24.14	\$25.85	-6.8
Canada	23.05	23.48	27.51	23.68	25.59	-7.4
Mexico	35.06	-	25.26	30.86	28.54	8.1
South America Total	36.41	34.36	34.26	35.01	27.28	28.3
Colombia	36.14	37.38	34.26	35.43	27.49	28.9
Venezuela	37.98	32.47	-	33.48	26.09	28.3
Europe Total	-	-	-	-	36.28	-
Denmark	-	-	-	-	36.28	-
Oceania & Australia Total	34.44	-	30.84	34.44	29.14	18.2
Australia	34.44	-	30.84	34.44	29.14	18.2
Total	33.55	29.75	31.66	31.39	26.98	16.4
U.S. Total	35.09	31.54	32.63	34.14	29.96	14.0

¹ Average price of all coal imports

Note: Total may not equal sum of components because of independent rounding. U.S. coal imports include Puerto Rico. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$38 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 14. Coal Imports by Customs District, December 1989
(Short Tons)

Customs District	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
Eastern Total	33,919	27,754	21	461,348	196,612	134.6
Boston, MA	-	27,669	-	27,669	177	(¹)
Baltimore, MD	-	10	-	258,615	200	(¹)
Portland, ME	-	33	-	33	51,568	-99.9
Buffalo, NY	-	-	21	26,849	21	(¹)
New York City, NY	-	-	-	41	445	-90.8
Ogdensburg, NY	19	42	-	219	-	-
Philadelphia, PA	33,900	-	-	147,922	144,203	2.6
Southern Total	155,317	122,375	68,785	1,363,389	1,372,054	-0.6
Mobile, AL	-	34,004	-	34,004	-	-
Tampa, FL	118,230	86,618	36,365	900,188	752,650	19.6
New Orleans, LA	-	-	-	28,860	178,226	-83.9
San Juan, PR	34,172	-	27,558	328,849	395,079	-16.8
Houston-Galveston, TX	-	265	-	15,910	1,802	(¹)
Laredo, TX	2,915	1,488	4,862	55,778	44,297	25.9
Western Total	39,005	5,527	34,515	169,054	136,582	23.8
San Diego, CA	-	-	-	19	-	-
San Francisco, CA	-	-	-	47,745	17,000	180.9
Honolulu, HI	34,645	-	31,913	34,645	64,388	-46.2
Great Falls, MT	1,060	5,527	2,602	75,579	52,518	43.9
Seattle, WA	3,300	-	-	11,066	2,676	313.5
Northern Total	74,757	89,206	27,702	857,342	428,782	99.9
Chicago, IL	22,369	68,869	26,112	476,060	320,361	48.6
Duluth, MN	-	-	-	431	-	-
Pembina, ND	52,388	20,337	1,590	364,237	108,108	236.9
Cleveland, OH	-	-	-	16,614	313	(¹)
Total	302,998	244,862	131,023	2,851,133	2,134,030	33.6

¹ Changes of 500 percent or more are not shown.

Note: Total may not equal sum of components because of independent rounding. U.S. coal imports include Puerto Rico.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 15. Coke Imports, December 1989
(Short Tons)

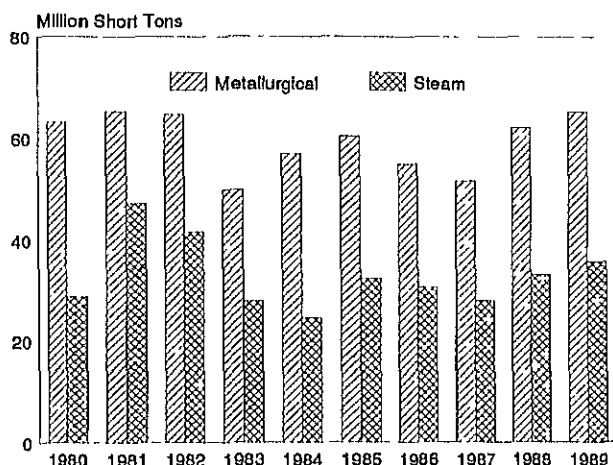
Continent and Country of Origin	December 1989	November 1989	December 1988	Year to date		
				1989	1988	Percent Change
North America Total	10,603	10,013	114,150	230,478	484,961	-52.5
Canada	1,608	3,743	114,150	206,785	484,328	-57.3
Mexico	8,995	6,270	-	23,693	633	(¹)
South America Total	-	-	-	-	16,717	-
Argentina	-	-	-	-	16,717	-
Europe Total	43,919	15,183	43,378	862,363	509,014	69.4
Belgium & Luxembourg	-	-	-	98,283	108,484	-9.4
France	-	-	18,027	36,872	56,385	-34.6
Italy	17,415	-	-	17,415	125,205	-86.1
Netherlands	-	-	-	17,244	24,809	-30.5
Poland	-	15,183	-	118,656	-	-
Switzerland	-	-	-	-	24,234	-
United Kingdom	-	-	-	56,201	26,621	111.1
West Germany	26,504	-	25,351	469,845	48,414	(¹)
Yugoslavia	-	-	-	47,847	94,862	-49.6
Asia Total	-	-	148,099	754,688	1,070,243	-29.5
China (Peking)	-	-	22,087	67,054	22,087	203.6
Japan	-	-	126,012	687,634	1,048,156	-34.4
Oceania & Australia Total	-	-	-	463,851	607,072	-23.6
Australia	-	-	-	463,851	607,072	-23.6
Total	54,522	25,196	305,627	2,311,380	2,688,007	-14.0

¹ Changes of 500 percent or more are not shown
Note Total may not equal sum of components because of independent rounding
Source Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145 "

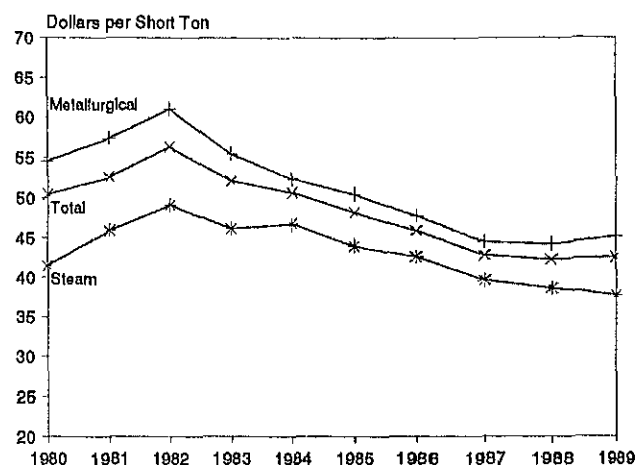
Coal Highlight

U.S. Coal Exports and Imports, 1980-1989

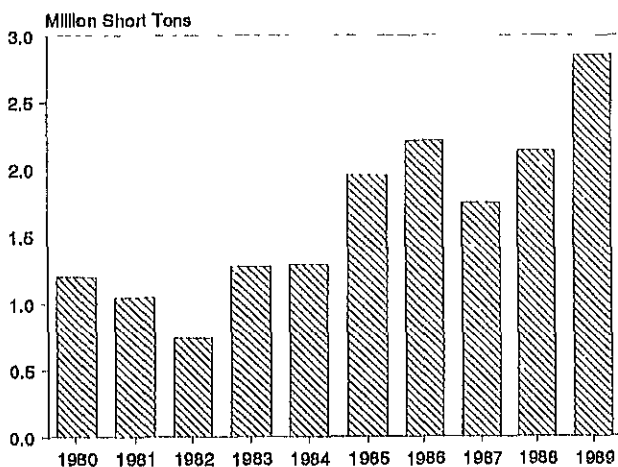
Metallurgical and Steam Coal Exports



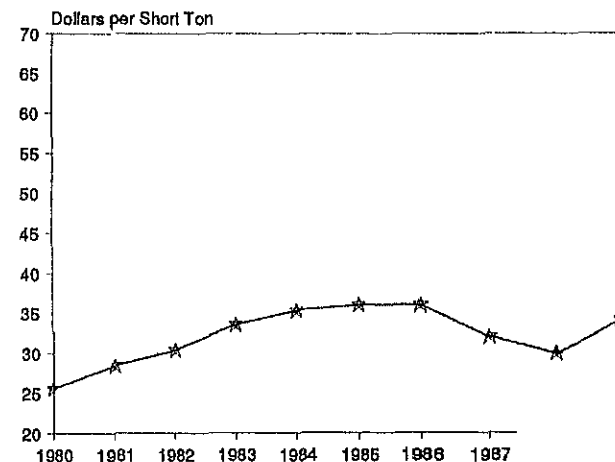
Average Price of Coal Exports



Coal Imports



Average Price of Coal Imports



Sources: U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM 522" and "Monthly Report IM 145."

During the decade of the 1980's, U.S. coal exports ranged from a low of 78 million short tons in 1983 to a high of 113 million short tons in 1981 and totaled 101 million short tons in 1989. Valued at \$3 to \$6 billion annually, they made a significant contribution to the Nation's balance of trade. On the average, annual coal exports represented about 10 percent of annual production. Metallurgical coal, long the mainstay of U.S. coal exports, accounted for about 60

percent of the total coal exported. Norfo was the principal export terminal, handling of the tonnage shipped annually. Although was delivered to more than 30 countries destinations were Japan, Canada, and Ita

By contrast, U.S. coal imports in the relatively small, averaging less than 2 n tons per year.

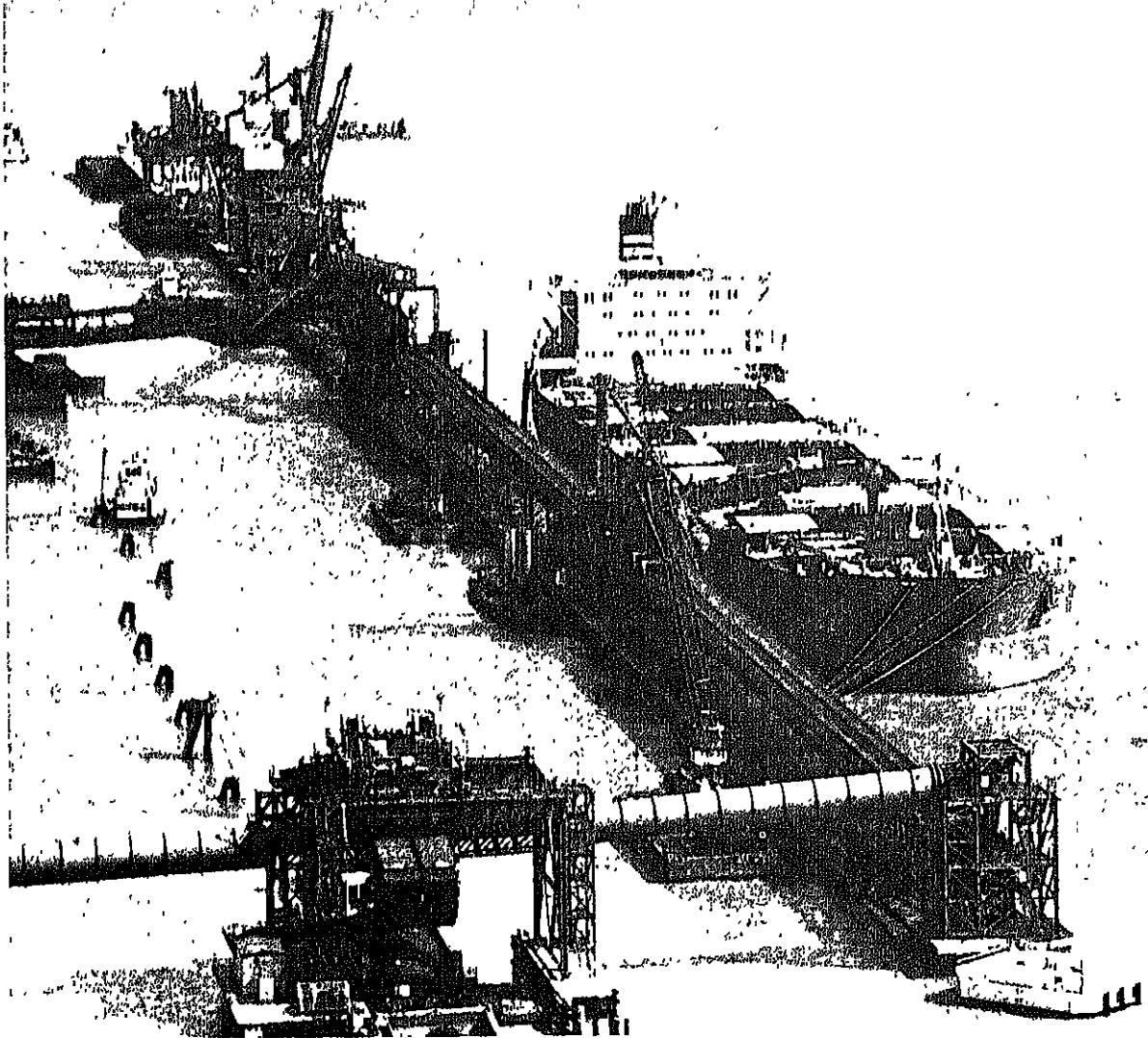
U.S. Coal Exports, 1980-1989
(Million Short Tons)

Importers	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
North America	17.7	18.8	19.0	17.3	20.6	16.8	14.8	16.5	19.7	16.9
Canada	17.0	18.2	18.6	17.2	20.4	16.4	14.5	16.2	19.2	16.8
Dominican Republic . . .	*	*	0.0	*	*	*	*	0.1	0.1	*
Mexico	0.6	0.5	0.5	0.1	0.2	0.4	0.2	0.1	0.3	0.1
Other	*	*	*	*	*	*	*	0.1	*	0.1
South America	4.8	3.4	4.0	4.1	5.4	6.8	6.6	6.7	6.0	7.4
Argentina	0.9	0.5	0.7	0.3	0.4	0.6	0.8	0.7	0.6	0.7
Brazil	3.2	2.7	3.1	3.6	4.7	5.9	5.7	5.8	5.3	5.7
Chile	0.7	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.9
Other	*	0.1	0.2	*	0.2	0.2	0.1	*	*	*
Europe	41.3	57.0	51.3	33.1	32.8	45.1	42.6	34.2	45.1	51.6
Albania	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1
Belgium and Luxembourg .	4.5	4.3	4.8	2.5	3.9	4.4	4.4	4.6	6.5	7.1
Denmark	1.6	3.9	2.8	1.7	0.6	2.2	2.1	0.9	2.8	3.2
Finland	0.3	1.3	0.7	0.5	*	1.3	*	0.2	0.1	0.1
France	7.5	9.7	9.0	4.2	3.8	4.5	5.4	2.9	4.3	6.6
Ireland	0.4	0.5	0.2	0.1	0.2	0.4	0.8	1.4	1.5	1.2
Italy	7.1	10.5	11.3	8.1	7.6	10.3	10.4	9.5	11.1	11.2
Netherlands	4.5	6.8	5.9	4.2	5.5	6.3	5.6	4.1	5.1	6.1
Norway	0.3	0.5	0.5	0.1	0.1	0.3	0.3	0.2	0.3	0.1
Portugal	0.4	0.3	0.3	0.3	0.2	1.0	1.1	1.3	0.9	1.4
Romania	1.4	1.0	0.4	0.3	0.7	1.2	1.1	1.1	1.5	1.6
Spain	3.4	6.4	5.6	3.3	2.3	3.5	2.6	2.5	2.5	3.3
Sweden	1.0	1.2	1.9	1.6	1.4	1.4	1.1	0.7	0.7	0.7
Turkey	0.9	0.6	1.6	1.6	1.5	2.2	2.4	0.8	2.0	1.7
United Kingdom	4.1	2.3	2.0	1.2	2.9	2.7	2.9	2.6	3.7	4.5
West Germany	2.5	4.3	2.3	1.5	1.0	1.1	0.8	0.5	0.7	0.7
Yugoslavia	1.0	1.7	1.2	1.1	0.6	0.8	0.8	0.9	1.3	1.5
Other	*	1.7	0.6	1.0	0.3	1.3	0.7	*	*	0.4
Asia	24.6	32.0	30.5	22.3	21.6	22.3	19.6	20.2	23.1	22.7
China (Taiwan)	0.7	2.7	2.0	1.9	2.5	3.2	3.7	4.8	4.7	4.5
Israel	*	*	0.1	0.2	0.3	0.5	0.4	0.2	0.2	0.5
Japan	23.0	25.9	25.8	17.9	16.3	15.4	11.4	11.1	14.1	13.8
Korea, Republic of	0.8	3.2	2.3	2.0	2.4	3.2	3.6	4.0	3.9	3.8
Pakistan	*	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other	*	0.1	0.2	0.2	*	*	0.4	*	*	*
Oceania and Australia . .	0.0	*	*	*	*	*	*	*	*	*
Africa	1.5	1.3	1.5	1.0	1.0	1.6	1.9	2.1	1.2	2.1
Algeria	0.7	0.7	1.0	0.6	0.7	0.8	0.7	0.9	0.7	0.7
Egypt	0.8	0.6	0.5	0.3	0.4	0.5	0.4	0.5	0.4	0.6
Other	0.0	*	*	*	*	0.2	0.8	0.8	*	0.8
Total	89.9	112.5	106.3	77.8	81.4	92.7	85.5	79.6	95.0	100.8

* 50,000 short tons.

†s may not equal sum of components due to independent rounding.

U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM 522."



A Norwegian collier is loaded at Davant, Louisiana, with 88,000 short tons of coal bound for Japan. Too large for the Panama Canal, the vessel reached Japan by rounding Africa's Cape of Good Hope.

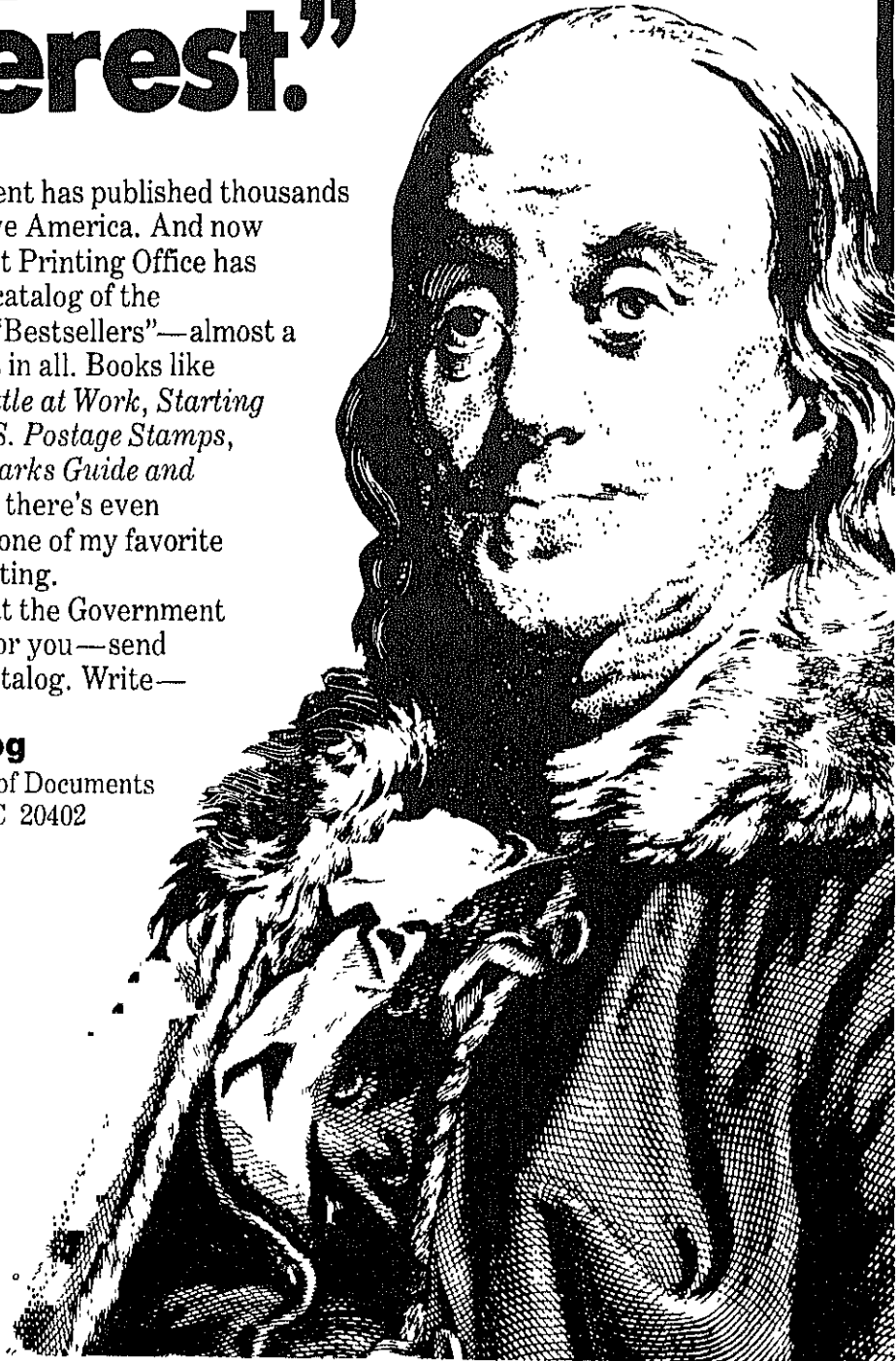
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